

RECYCLING AND WASTE REDUCTION REPORT

STATE OF MISSOURI

FISCAL YEAR 2003



Prepared By:
State of Missouri, Office of Administration
In Consultation With The Department of Natural Resources Solid
Waste Management Program and The Environmental Improvement
and Energy Resources Authority

ACKNOWLEDGEMENTS

Published by the State of Missouri, Office of Administration, Division of Purchasing and Materials Management in consultation with the Department of Natural Resources Solid Waste Management Program and the Environmental Improvement and Energy Resources Authority.

Special thanks to the Missouri Interagency Recycling Committee (MIRC), department recycling coordinators and purchasing staff of the agencies who contributed to this report, for their ongoing efforts to reduce, reuse, recycle, and buy recycled-content products. The Missouri State Recycling Program also wants to thank all state employees who engage in waste reduction and recycling in the work place on a daily basis.

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Bob Holden
Governor

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Jacquelyn D. White
Commissioner

To the Members of the General Assembly of the State of Missouri

In accordance with RSMo 34.031, we are submitting the Fiscal Year 2003 Recycling and Waste Reduction Report. This report provides information on the State of Missouri's recycling and waste reduction programs for fiscal year 2003.

State law directs state agencies to implement policies for recycling, waste reduction, and procurement of recycled content products. The State Recycling Program, administered by the Office of Administration, Division of Purchasing and Materials Management, is responsible for assisting all state agencies in these areas. The State Recycling Coordinator works cooperatively with the Missouri Interagency Recycling Committee (MIRC) to educate and promote recycling and waste reduction to state employees.

Environmentally sound policies often create economic as well as environmental savings. State government recycling efforts have reduced the amount of waste generated at state facilities and the related costs of waste disposal. A couple of Missouri state government's recycling and waste reduction success stories can be found on pages 7 and 8 of this report.

We appreciate the interest and support of the General Assembly in our recycling efforts.

Sincerely,

Jacquelyn D. White
Commissioner of Administration

BACKGROUND

Legislation involving waste reduction, procurement of recycled products and recycling collection was enacted in late 1989. Chapter 34 of the Missouri Revised Statutes (RSMo), sections 34.031 and 34.032, created the State Recycling Program, and also re-emphasized recycled product procurement by establishing a 10% price preference. The price preference was eliminated in 1995 by House Bill 562.

A comprehensive solid waste law was passed in 1990 to further promote waste reduction, resource recovery and market development. The law included:

- ◆ Development of localized solid waste management plans
- ◆ Creation of a solid waste management fund
- ◆ Landfill bans on yard waste, lead-acid batteries, waste oil, major appliances, whole tires, and small quantities of hazardous waste.

Governor Carnahan announced the creation of the Missouri Interagency Recycling Committee (MIRC) in 1994. The committee, composed of representatives from each of the state departments, meets semi-annually to discuss issues dealing with recycling collection, waste reduction, recycling market conditions and recycled product procurement.

RSMo 34.032.5 mandates that each department and state agency develop and implement, in cooperation with the Office of Administration, a policy for recycling and waste reduction. It further states that recycling programs for agency offices located outside of the City of Jefferson should be coordinated through the Office of Administration or operated locally provided that the Office of Administration reviews and approves such programs.

The Fiscal Year 2003 (FY03) State Recycling and Waste Reduction Report summarizes the accomplishments of state government agencies' in the areas of recycling, waste reduction, and environmentally preferable procurement for the period of July 1, 2002 through June 30, 2003.

The Missouri Revised Statutes may be viewed or downloaded from the Internet at <http://www.moga.state.mo.us/homestat.asp>.

MISSOURI INTERAGENCY RECYCLING COMMITTEE (MIRC) MEMBERS

| EXECUTIVE DEPARTMENT | MIRC MEMBER | PHONE NO. | E-MAIL ADDRESS |
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|--------|-------------|---------------|--|

8/18/2004

RECYCLING FUND

Revenues generated from state recycling efforts fund the costs of the State Recycling Program. Revenues vary from year to year primarily due to market fluctuations. In the past five years, mixed office paper reimbursement rates have ranged from \$0 per ton to \$195 per ton. Market prices for mixed office paper have been low for some time, but prices are now beginning to increase.

Costs associated with the program include recycling bins, printing, promotional items, conferences and training. DPMM purchased a cardboard baler for the Truman (HST) building dock during FY01. It was estimated the HST building generated more than 200 pounds of cardboard per day. The baler not only reduces the waste hauling expense, but also generates revenue from the sale of the cardboard.

Excess revenues are transferred to the Department of Social Services, Division of Family Services' Energy Assistance Program pursuant to RSMo 34.032. The Energy Assistance Program (EAP) provides financial assistance to low-income Missourians for heating their homes during winter months. The State Recycling Program has transferred a total of \$85,000 to the Energy Assistance Program since its inception.

RECYCLING FUND SUMMARY

| Fiscal Year | Revenues | Program Costs | Funds Transferred to EAP |
|--------------------|------------------|----------------------|---------------------------------|
| 1991 | \$10,262 | \$4,974 | |
| 1992 | \$4,920 | \$8,053 | |
| 1993 | \$8,110 | \$6,493 | |
| 1994 | \$9,074 | \$7,104 | |
| 1995 | \$31,148 | \$8,397 | \$20,000 |
| 1996 | \$47,638 | \$13,123 | \$20,000 |
| 1997 | \$24,038 | \$6,299 | \$20,000 |
| 1998 | \$25,801 | \$12,712 | \$15,000 |
| 1999 | \$7,804 | \$10,442 | |
| 2000 | \$26,443 | \$12,967 | |
| 2001 | \$27,880 | \$19,174 | |
| 2002 | \$17,176 | \$13,875 | |
| 2003 | \$31,752 | \$10,822 | \$10,000 |
| Total | \$272,046 | \$134,435 | \$85,000 |

Recycling Stories from MO State Government

These stories represent a sampling of recycling activities throughout state government. It is important to recognize there are many state government employees who reduce waste and recycle every day, thereby saving the state money. These individuals share a common goal with the MO State Recycling Program – to promote the culture of recycling in MO state government.

Compost Happens at Department of Corrections

In FY03, the Department of Corrections (DOC) received two grants from the Department of Natural Resources to purchase an in-vessel composter. The Ozark Correctional Center (OCC) and the South Central Correctional Center (SCCC) each received a \$125,000 grant to compost food waste from their cafeterias.

What is in-vessel composting?

In-vessel composting is a type of large scale composting. The principles of in-vessel composting are the same as those for a backyard compost pile. However, due to the volume and type of materials, in-vessel composting is a much more sophisticated form of composting. Materials to be composted are sealed in vessels where temperature and humidity are controlled to provide the beneficial microbes with ideal conditions to accelerate the composting process.

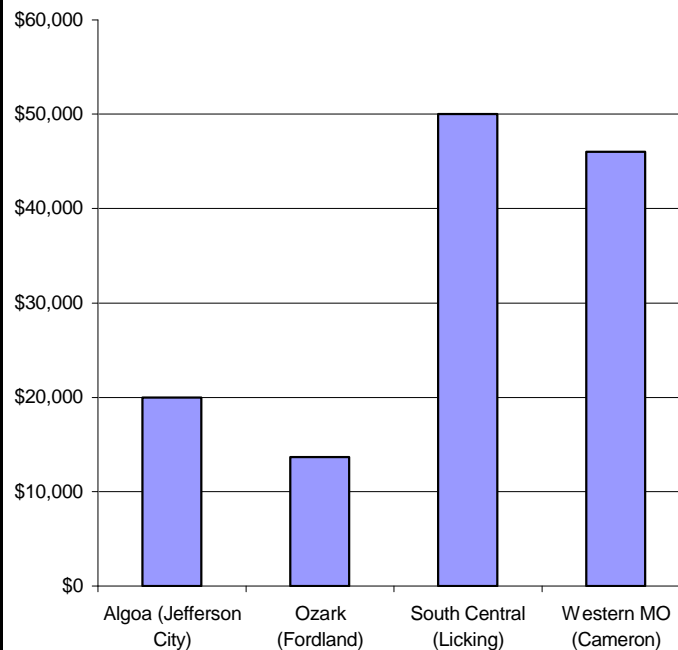
The chart to the right shows annual savings at four correctional facilities. It is interesting to note the two facilities with the greatest annual savings are SCCC and Western Missouri Correctional Center (WMCC/Cameron). It is likely that SCCC's increased savings can be attributed to the in-vessel composter. WMCC has one of the more mature recycling programs within DOC and has had more time to improve upon its recycling processes. In FY01, WMCC was provided financial and technical assistance by the region D Solid Waste Management District to help start their program.

The chart entitled "Recycling Collection – Total Materials Recovered in FY03" on p.9 shows significant increases from FY02 to FY03 in collection of steel, cans, cardboard, and compost. This further supports the fact that investments in the state's recycling infrastructure are showing



In-Vessel Composter SCCC Licking, MO

Correctional Centers' Estimated Annual Savings on Trash Bill



A Tale of Three Buildings

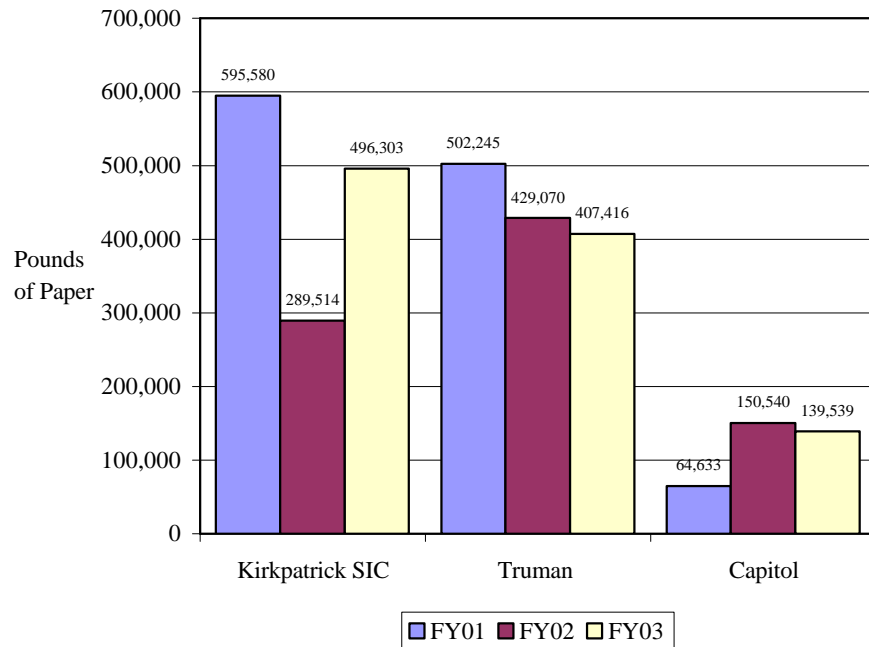
The two charts to the right examine the volume of paper recycled and what it would cost to throw away this paper for three buildings over the course of three years. Data from FY01 thru FY03 was examined for the **James C. Kirkpatrick State Information Center**, **Harry S Truman State Office Building**, and the **Capitol**.

Please note the chart showing how much it would cost to throw paper away is a conservative estimate for the Capitol because the weight of waste is not measured for this building. Therefore, the cost per ton could not be calculated. Instead, the average “tip fee” of \$33.54 per ton is used. The “tip fee” is what is charged by the landfill to dump each ton of trash and does not include the trash hauler’s expenses such as transportation and labor.

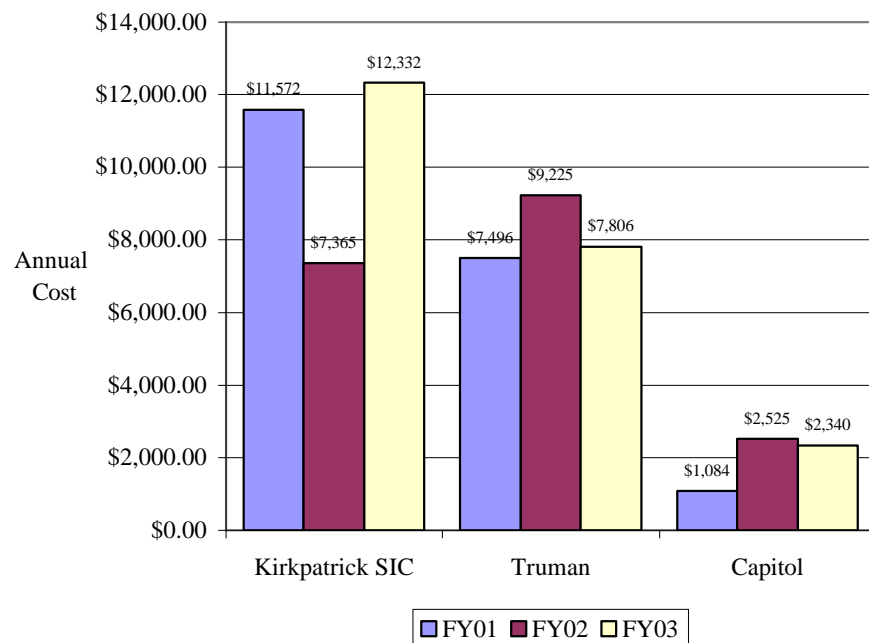
In FY03, the cost per ton for the Truman Building was \$38.32 and the State Information Center was \$49.70. We are able to determine these costs which can vary from year to year because trash is weighed for these two buildings.



Volume of Paper Recycled FY01 - FY03



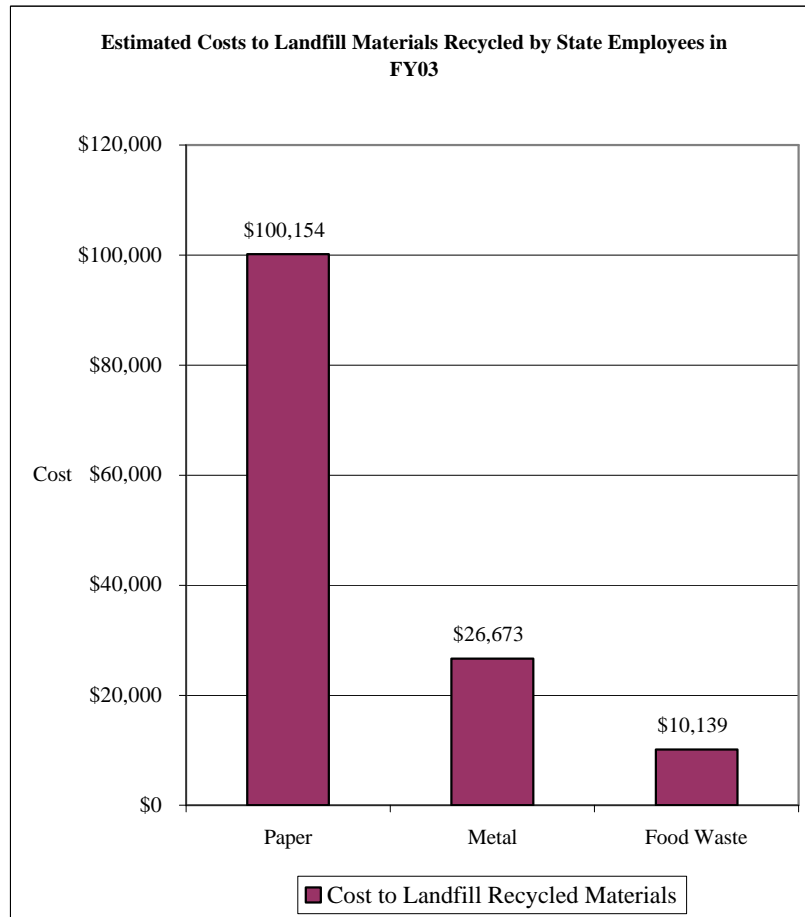
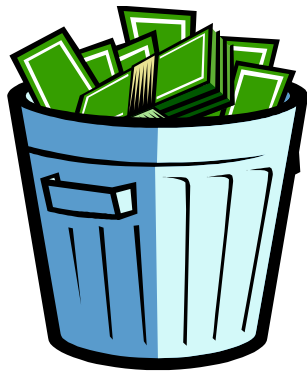
How Much Would Trash Bill Increase If Paper Were Thrown Away?



RECYCLING COLLECTION – Total Materials Recovered In FY03

| ITEM | UNIT OF MEASURE | FY00 | FY01 | FY02 | FY03 |
|------------------------------|-----------------|------------------|------------------|------------------|------------------|
| Aluminum | Lbs. | 45,304 | 144,527 | 92,879 | 223,174 |
| Brass | Lbs. | | 40 | 20 | 165 |
| Copper | Lbs. | | | 1,100 | 12,710 |
| Scrap Metal | Lbs. | 199,084 | 635,394 | 471,671 | 626,085 |
| Steel Cans | Lbs. | | 139,471 | 95,978 | 604,498 |
| Tin | Lbs. | | | 117,500 | 123,880 |
| TOTAL METALS | Lbs. | 244,388 | 919,432 | 779,148 | 1,590,512 |
| Books, Bound Publications | Lbs. | | | 607 | 5,165 |
| Corrugated Cardboard | Lbs. | 233,535 | 758,559 | 274,924 | 1,648,174 |
| Magazines | Lbs. | 14,860 | 25,142 | 12,017 | 60,804 |
| Shredded Paper | Lbs. | | | | 9,838 |
| Mixed Office Paper | Lbs. | 2,899,981 | 4,748,882 | 4,023,799 | 4,187,066 |
| Telephone Books | Lbs. | 18,095 | 19,808 | 31,037 | 17,321 |
| Newsprint | Lbs. | 16,530 | 45,257 | 17,969 | 43,847 |
| TOTAL PAPERS | Lbs. | 3,183,001 | 5,597,748 | 4,360,353 | 5,972,215 |
| Antifreeze | Gal. | 5,160 | 980 | 2,365 | 3,477 |
| Diesel Fuel | Gal. | | | 737 | 1,645 |
| Gasoline | Gal. | | | | 110 |
| Paint | Gal. | 100 | 1,027 | 75 | 528 |
| Oil, Used Cooking | Gal. | | 14,400 | 19,690 | 36,523 |
| Oil, Used Motor | Gal. | 51,058 | 46,430 | 55,465 | 56,708 |
| Cleaning Solvent | Gal. | | 35 | | 60 |
| TOTAL OTHER - gallons | Gal. | 56,318 | 63,823 | 78,489 | 99,051 |
| Batteries-Lead Acid | Lbs. | | | | 30,160 |
| Food/Agricultural Waste | Lbs. | | 560 | 58,080 | 604,570 |
| Container, Glass | Lbs. | 663 | 1,916 | 9,741 | 8,252 |
| Magnetic Media | Lbs. | | | | 11,442 |
| Mixed Plastic | Lbs. | 883 | 14,762 | 6,248 | 28,747 |
| Styrofoam | Lbs. | | 231 | | 311 |
| Textiles | Lbs. | | 1,384 | 1,500 | 42,140 |
| TOTAL OTHER - lbs. | Lbs. | | 2,175 | 59,580 | 725,622 |
| Batteries, Lead Acid | Each | 2,771 | 4,128 | 5,639 | 6,044 |
| Batteries, Ni-Cd & NiMH | Each | 3,841 | 4,562 | 9,509 | 8,172 |
| CD Roms | Each | 50 | | 592 | 1,845 |
| Diskettes | Each | 1,700 | | 559 | 207 |
| Fluorescent Ballasts | Each | | | | 53 |
| Fluorescent Lamps | Each | 26,691 | 19,708 | 25,677 | 17,705 |
| Oil Filters | Each | 900 | 1,458 | 7,227 | 6,494 |

The chart to the right is a conservative estimate of what it would cost state government to landfill certain materials recycled in FY03. The average tip fee of \$33.54 per ton was used to calculate the cost. The tip fee does not represent the entire cost the State pays; however, it is a good constant for measuring purposes. (see explanation of “tip fee” on p. 8 in “A Tale of Three Buildings”).



Environmental Benefits of Employees' Recycling Efforts

State employees recycled over 4000 tons of waste in FY03. By using these recovered materials instead of virgin materials, the following estimated savings are being realized by industries utilizing these recovered materials:

- \$1.8 million in energy savings
- 58.61 billion Btu – enough energy to power 5861 homes for a year!
- Greenhouse gases kept out of the environment from the energy savings is 13,368 tons of carbon dioxide.

Environmentally Preferable Procurement

Environmentally Preferable Procurement (EPP) is an important aspect of the State Recycling Program's mission. EPP could mean purchasing rechargeable batteries as opposed to alkaline batteries. As it relates to recycling, it typically means buying products made from recycled materials. The most important idea of EPP is that purchasing decisions are made with our environment in mind. When utilizing EPP products we can minimize the impact we have on our environment by reducing toxic materials, saving energy, or utilizing recovered materials.

Paper is the most common recycled product purchased by state agencies. In 1990, RSMo 34.032 established attainment goals for state agencies to purchase certain percentages of products made from post-consumer recovered materials. One goal was that 60% of paper products purchased by the State of Missouri contain post-consumer materials by the year 2000. Although this goal was not met in the year 2000, it has been met in all subsequent fiscal years.

The following table examines the State of Missouri's purchases of recycled paper as compared to paper manufactured from virgin materials.

Purchases of Recycled Paper Compared to Virgin Paper

| Product Category | Recycled Paper Purchases | Total Category Purchases (Recycled + Virgin) | Recycled Paper Purchases as a % of Total Purchases in Product Category | Recycled Paper Purchases as a % of Total Purchases in Product Category | | |
|--|--------------------------|--|--|--|------|------|
| | | | | FY02 | FY01 | FY00 |
| Fine Paper Products (office, copy, fax) | \$1,777,192 | \$2,971,096 | 60% | 66% | 60% | 30% |
| Course Paper Products (napkins, towels, tissues) | \$536,693 | \$595,760 | 90% | 86% | 85% | 73% |
| Forms (continuous & snap out) | \$355,361 | \$423,045 | 84% | 60% | 35% | 16% |
| Envelopes (Plain or Printed) | \$1,329,288 | \$1,358,252 | 98% | 91% | 66% | 6% |
| Printing by contractors (40% of total charge) | \$1,181,978 | \$2,360,248 | 50% | 90% | 61% | 10% |
| Overall Totals | \$5,180,512 | \$7,708,401 | 67% | 76% | 63% | 27% |

Environmental Benefits of Buying Recycled Paper

The State of MO spent \$1,777,192 on recycled “Fine Paper Products” in FY03. A majority of this category is copy paper made with 30% post-consumer recycled paper. Purchasing this type of recycled paper versus virgin paper translates into the following estimated savings:

- 15,995 trees
- 6,666,000 gallons of water
- 33 tons of air pollution
- 15.17 billion Btu – enough energy to power 1517 homes for a year!

ENVIRONMENTALLY PREFERABLE NON-PAPER PRODUCTS

The table below summarizes FY03 purchases of recycled non-paper products as compared to FY00, FY01, and FY02 purchases. This information is based on the annual report surveys submitted by each department and procurement figures obtained from the Statewide Advantage for Missouri (SAM II) financial system.

| NON-PAPER PURCHASES | FY00 | FY01 | FY02 | FY03 |
|--|---------------------|---------------------|---------------------|---------------------|
| Alternate Fuel Vehicles | \$730,790 | \$1,210,792 | \$777,139 | \$658,062 |
| Alternate Fuels | \$9,982 | \$49,341 | \$44,219 | \$55,972 |
| Aluminum Sheeting | \$667 | \$577,880 | \$355,080 | \$476,280 |
| Ammunition (Lead & Brass) | | \$52,750 | \$54,971 | \$81,374 |
| Anti-Freeze | \$5,000 | \$742 | \$373 | \$3,244 |
| Asphalt Products | \$1,929 | | \$1,502,740 | \$29,845 |
| Barrels & Containers | \$2,000 | \$8,255 | \$4,356 | \$6,252 |
| Bituminous Concrete | | \$14,509,200 | \$12,008,888 | \$14,500,000 |
| Building & Construction | \$17 | | \$21,974 | \$27,125 |
| Computer/Copier Supplies | \$2,810 | \$2,520 | \$11,253 | \$15,331 |
| Corrugated Cardboard | \$2,344 | \$872,138 | \$127,933 | \$144,419 |
| Emulsified Asphalt | \$10,000,000 | \$12,000,000 | \$11,003,652 | \$12,000,000 |
| Glass Beads | \$2,875,825 | \$9,000,000 | \$8,000,000 | \$9,000,000 |
| Ink & Toner Cartridges | \$17,992 | \$61,424 | \$609,777 | \$274,990 |
| Janitorial & Cleaning Supplies | \$528,129 | \$182,867 | \$583,465 | \$162,607 |
| Lead Mining Chat | | \$150,000 | \$225,000 | \$150,000 |
| Low Mercury Fluorescent Bulbs | \$102,951 | \$134,356 | \$118,583 | \$124,978 |
| Lumber, Plastic | \$5,283 | \$12,809 | \$14,908 | \$9,548 |
| Office Supplies | \$230,138 | \$465,402 | \$314,646 | \$365,523 |
| Paint | \$32,000 | \$5,516,480 | \$5,506,056 | \$6,053,665 |
| Pallets & Skids | \$18,766 | | \$479 | \$1,450 |
| Park & Playground Equipment | \$6,904 | | | \$18,349 |
| Petroleum Products | \$12,629 | | \$26,089 | \$31,066 |
| Promotional Supplies | \$50,563 | \$54,492 | \$31,108 | \$377 |
| Rechargeable Batteries | | \$56 | \$127,728 | \$78,925 |
| Remanufactured Office Machines/Furniture | \$11,987 | \$2,682 | \$18,142 | \$420 |
| Re-refined Oil | \$5,000 | \$5,075 | \$5,000 | \$5,000 |
| Road Material (Not Asphalt) | \$8,125,000 | | \$100,270 | \$470 |
| Signs | \$3,001,500 | \$3,006,675 | \$3,000,000 | \$3,000,011 |
| Soy Ink | | \$1,000 | \$965 | \$6,253 |
| Tires, Re-Tread | \$63,230 | \$78,686 | \$100,000 | \$75,110 |
| Traffic Cones | | \$100 | \$53,000 | |
| Vehicle Maintenance Supplies | \$2,865 | \$15,711 | \$10,727 | \$14,725 |
| Water Based Glue | | \$60,000 | \$30,966 | \$47,907 |
| Other | | | | \$81 |
| TOTAL PURCHASES | \$26,149,283 | \$48,363,933 | \$44,789,488 | \$47,419,359 |

STATE DEPARTMENT PROCUREMENT AND RECYCLING EFFORTS

Listed below are figures for FY03 recycling collection and environmentally preferable (EP) purchases as reported by each department.

Jefferson City Area Collection

Collection amounts for paper and cardboard for Jefferson City area state agencies are included on page 9 as a part of the statewide recycling collection totals, but are not included in the individual department totals. This information is provided by the recycler as a requirement of the recycling services contract. The total collection for Jefferson City area state offices are as follows:

Mixed Office Paper 2,321,535 lbs. or 1161 Tons
Corrugated Cardboard 19,572 lbs. or 10 Tons

Office of the Governor

Materials Recovered

Included in Jefferson City Totals

Environmentally Preferable Purchases

Fine Paper Products \$4,925

Office of the Secretary of State

Materials Recovered

Records Management Records (lbs.) 492,000

Environmentally Preferable Purchases

Office of the State Treasurer

Materials Recovered

Included in Jefferson City Totals

Environmentally Preferable Purchases

| | |
|----------------------|-----------------|
| Alternate Fuel | \$324 |
| Corrugated Cardboard | 240 |
| Envelopes | 9,399 |
| Fine Paper Products | 3,793 |
| Office Supplies | 3,386 |
| TOTAL | \$17,142 |

Supreme Court

Materials Recovered

| | |
|------------------------------|-----|
| Aluminum Cans (lbs.) | 220 |
| Ink & Toner Cartridges (ea.) | 80 |

Environmentally Preferable Purchases

| | |
|------------------------------|-----------------|
| Corrugated Cardboard | \$690 |
| Course Paper Products | 4,000 |
| Envelopes | 7,400 |
| Fine Paper Products | 14,000 |
| Forms-Continuous & Snap Out | 3,200 |
| Janitorial/Cleaning Supplies | 1,240 |
| Office Supplies | 4,200 |
| Paint | 490 |
| Printing by Contractors | 8,800 |
| Rechargeable Batteries | 133 |
| Waterbased Glue | 490 |
| TOTAL | \$44,643 |

MO Vocational Enterprises/Department of Corrections**Materials Recovered**

| | |
|------------------------------|---------|
| Aluminum Scrap (lbs.) | 81,060 |
| Corrugated Cardboard (lbs.) | 960 |
| Ink & Toner Cartridges (ea.) | 5,000 |
| Pallets (ea.) | 7,050 |
| Scrap Metal (lbs.) | 230,220 |
| Waste Tires (ea.) | 637,919 |

Environmentally Preferable Purchases

| | |
|----------------------|--------------------|
| Aluminum Sheeting | \$476,280 |
| Corrugated Cardboard | 110,982 |
| Envelopes | 361,298 |
| Fine Paper Products | 67,862 |
| Paint | 52,775 |
| Pallets & Skids | 1,378 |
| Waterbased Glue | 45,919 |
| Other / Trash Bag | 472,611 |
| TOTAL | \$1,589,105 |

Office of Administration**Materials Recovered**

| | |
|------------------------------|--------|
| Aluminum Cans (lbs.) | 175 |
| Batteries-Lead Acid (lbs) | 30,000 |
| Batteries-Lead Acid (ea.) | 800 |
| Batteries-NiCD & NIMH (ea.) | 203 |
| CD ROMs (ea.) | 98 |
| Diskettes (ea.) | 3 |
| Ink & Toner Cartridges (ea.) | 497 |
| Oil, Motor (gals.) | 1,500 |
| Pallets (ea.) | 1,353 |
| Plastic (lbs.) | 25 |
| Styrofoam (lbs.) | 1 |
| Telephone Books (lbs.) | 208 |
| Waste Tires (lbs.) | 60,000 |
| Other/Magnetic Media (lbs.) | 11,442 |

Environmentally Preferable Purchases

| | |
|-------------------------------|------------------|
| Alternate Fuel | \$8,968 |
| Barrels & Containers | 3,852 |
| Corrugated Cardboard | 19,774 |
| Course Paper Products | 1,998 |
| Envelopes | 3,606 |
| Fine Paper Products | 364,477 |
| Forms-Continuous & Snap Out | 173,712 |
| Ink & Toner Cartridges | 633 |
| Janitorial/Cleaning Supplies | 494 |
| Low-Mercury Fluorescent Bulbs | 114 |
| Office Supplies | 1,554 |
| Printing by Contractors | 151,753 |
| Promotional Items | 377 |
| Rechargeable Batteries | 40,290 |
| Soy Ink | 6,253 |
| TOTAL | \$777,855 |

Dept. of Agriculture**Materials Recovered**

| | |
|----------------------------------|---------|
| Aluminum Cans (lbs.) | 65 |
| Food / Agricultural Waste (lbs.) | 300,000 |
| Corrugated Cardboard (lbs.) | 15 |
| Ink & Toner Cartridges (ea.) | 104 |
| Magazines & Catalogs (lbs.) | 120 |
| Mixed Office Paper (lbs.) | 400 |
| Newsprint (lbs.) | 60 |
| Oil, Motor (gals.) | 150 |
| Pallets (ea.) | 60 |
| Telephone Books (lbs.) | 30 |
| Waste Tires (ea.) | 200 |

Environmentally Preferable Purchases

| | |
|------------------------------|-----------------|
| Envelopes | \$8,192 |
| Fine Paper Products | 10,873 |
| Forms, Continuous | 82 |
| Ink & Toner Cartridges | 1433 |
| Janitorial/Cleaning Supplies | 360 |
| Office Supplies | 735 |
| TOTAL | \$21,675 |

Dept. of Economic Development**Materials Recovered****Included in Jefferson City Totals****Environmentally Preferable Purchases**

Department of Corrections

Materials Recovered

| | |
|----------------------------------|-----------|
| Aluminum Cans (lbs.) | 84,819 |
| Antifreeze (gals.) | 349 |
| Batteries (Lead Acid) LBS. | 160 |
| Batteries-NiCD & NIMH (ea.) | 2,140 |
| Books, Bound Publications (ea.) | 480 |
| CD ROMs (ea.) | 250 |
| Food / Agricultural Waste (lbs.) | 302,000 |
| Corrugated Cardboard (lbs.) | 1,446,373 |
| Diskettes (ea.) | 4 |
| Fluorescent Lamps (ea.) | 3,124 |
| Ink & Toner Cartridges (ea.) | 1,494 |
| Magazines & Catalogs (lbs.) | 30,600 |
| Mixed Office Paper (lbs.) | 456,265 |
| Newsprint (lbs.) | 21,084 |
| Oil Filters (ea.) | 435 |
| Oil, Motor (gals.) | 3,355 |
| Oil, Used Cooking (gals.) | 30,782 |
| Pallets (ea.) | 1,754 |
| Plastic (lbs.) | 27,479 |
| Scrap Metal (lbs.) | 54,075 |
| Steel Cans (lbs.) | 595,697 |
| Styrofoam (lbs.) | 48 |
| Telephone Books (lbs.) | 3,530 |
| Textiles (lbs.) | 42,000 |
| Waste Tires (ea.) | 620 |
| Other, Brass (lbs.) | 165 |
| Other, Tin (lbs.) | 123,880 |
| Other, Copper (lbs.) | 12,710 |
| Other/Grease Trap (gals.) | 4,000 |

Environmentally Preferable Purchases

| | |
|-------------------------------|------------------|
| Alternate Fuel | \$9,502 |
| Ammunition-Lead | 26,051 |
| Antifreeze | 3,194 |
| Asphalt Products | 2,978 |
| Barrels & Containers | 300 |
| Building/Construction | 27,125 |
| Computer/Copy Supplies | 5,909 |
| Corrugated Cardboard | 12,055 |
| Course Paper Products | 180,146 |
| Envelopes | 12,014 |
| Fine Paper Products | 102,406 |
| Forms-Continuous & Snap Out | 133,611 |
| Ink & Toner Cartridges | 17,945 |
| Janitorial/Cleaning Supplies | 122,399 |
| Low-Mercury Fluorescent Bulbs | 25,806 |
| Lumber, Plastic | 8,898 |
| Office Supplies | 66,124 |
| Paint | 27,589 |
| Park/Playground Equipment | 18,349 |
| Petroleum Products | 30,766 |
| Printing by Contractors | 3,114 |
| Rechargeable Batteries | 37,305 |
| Re-Manuf Office Machines/Furr | 420 |
| Road material (not asphalt) | 470 |
| Vehicle Maintenance Supplies | 11,365 |
| Waterbased Glue | 120 |
| Other / Oil | 300 |
| Other / Wiper Fluid | 60 |
| Other / Urea (for ice melt) | 300 |
| Other / Laundry Detergent | 3,816 |
| Other / Trash Bags | 4,649 |
| Other / Brown Bags | 691 |
| TOTAL | \$895,777 |

Dept. of Elementary & Secondary Education

Materials Recovered

Included in Jefferson City Totals

Environmentally Preferable Purchases

| | |
|-----------------------------|------------------|
| Asphalt Products | \$24,708 |
| Coarse Paper Products | 51,881 |
| Envelopes | 60,376 |
| Fine Paper Products | 42,447 |
| Forms-Continuous & Snap Out | 12,365 |
| Ink & Toner Cartridges | 2,198 |
| Rechargeable Batteries | 360 |
| Office Supplies | 11,312 |
| Printing by Contractors | 67,745 |
| TOTAL | \$248,684 |

Dept. of Conservation

Materials Recovered

| | |
|---------------------------------|--------|
| Aluminum Cans (lbs.) | 2,337 |
| Antifreeze (gals.) | 160 |
| Batteries-Lead Acid (ea.) | 146 |
| Batteries-NiCD & NIMH (ea.) | 213 |
| Books, Bound Publications (ea.) | 10 |
| Cleaning Solvent (gals.) | 60 |
| Corrugated Cardboard (lbs.) | 26,490 |
| Fluorescent Ballast (ea.) | 53 |
| Fluorescent Lamps (ea.) | 1,711 |
| Glass (lbs.) | 200 |
| Ink & Toner Cartridges (ea.) | 91 |
| Magazines & Catalogs (lbs.) | 7,450 |
| Mixed Office Paper (lbs.) | 51,916 |
| Newsprint (lbs.) | 1,864 |
| Oil Filters (ea.) | 300 |
| Oil, Motor (gals.) | 7,485 |
| Paint (gals.) | 5 |
| Pallets (ea.) | 57 |
| Plastic (lbs.) | 210 |
| Scrap Metal (lbs.) | 2,500 |
| Steel Cans (lbs.) | 30 |
| Styrofoam (lbs.) | 50 |
| Telephone Books (lbs.) | 840 |
| Tyvek Envelopes (ea.) | 250 |
| Waste Tires (ea.) | 1,157 |

Environmentally Preferable Purchases

| | |
|--------------------------|--------------------|
| Alternate Fuel | \$1,700 |
| Alternate Fuel Vehicles | 416,387 |
| Ammunition-Lead | 4,116 |
| Fine Paper Products | 718,702 |
| Low-Mercury Fluor. Bulbs | 5,609 |
| Office Supplies | 657 |
| Printing by Contractors | 719,779 |
| TOTAL | \$1,866,950 |

Dept. of Health & Senior Services

Materials Recovered

| | |
|-----------------------------|-------|
| Corrugated Cardboard (lbs.) | 1,600 |
| Pallets (ea.) | 100 |
| Telephone Books (lbs.) | 2,400 |
| Other, Shred (lbs.) | 8,751 |

Environmentally Preferable Purchases

| | |
|------------------------------|-----------------|
| Coarse Paper Products | \$14,354 |
| Fine Paper Products | 59,482 |
| Low-Mercury Fluorescent Bulb | 148 |
| Office Supplies | 11,628 |
| Tires-Retread | 110 |
| TOTAL | \$85,722 |

Dept. of Insurance

Materials Recovered

| | |
|------------------------------|-----|
| Ink & Toner Cartridges (ea.) | 83 |
| Telephone Books (lbs.) | 160 |

Environmentally Preferable Purchases

| | |
|-------------------------|-----------------|
| Course Paper Products | \$918 |
| Envelopes | 7,815 |
| Fine Paper Products | 7,996 |
| Ink & Toner Cartridges | 6,049 |
| Office Supplies | 3,564 |
| Printing by Contractors | 25,378 |
| TOTAL | \$51,720 |

Dept. of Labor & Industrial Relations

Materials Recovered

Included in Jefferson City Totals

Environmentally Preferable Purchases

Dept. of Mental Health

Materials Recovered

| | |
|---------------------------------|---------|
| Aluminum Cans (lbs.) | 18,439 |
| Antifreeze (gals.) | 206 |
| Batteries-Lead Acid (ea.) | 82 |
| Batteries-NiCD & NIMH (ea.) | 30 |
| Books, Bound Publications (ea.) | 4,625 |
| CD ROMs (ea.) | 7 |
| Corrugated Cardboard (lbs.) | 83,010 |
| Diesel Fuel (gals.) | 1,000 |
| Fluorescent Lamps (ea.) | 3,670 |
| Ink & Toner Cartridges (ea.) | 450 |
| Magazines & Catalogs (lbs.) | 14,122 |
| Mixed Office Paper (lbs.) | 136,963 |
| Newsprint (lbs.) | 10,152 |
| Oil Filters (ea.) | 31 |
| Oil, Motor (gals.) | 1,258 |
| Oil, Used Cooking (gals.) | 1,023 |
| Pallets (ea.) | 1,135 |
| Plastic (lbs.) | 372 |
| Scrap Metal (lbs.) | 5,680 |
| Steel Cans (lbs.) | 8,469 |
| Styrofoam (lbs.) | 75 |
| Telephone Books (lbs.) | 2,470 |
| Waste Tires (ea.) | 487 |
| Other, Shredded Paper (lbs.) | 1,087 |

Environmentally Preferable Purchases

| | |
|-------------------------------|------------------|
| Alternate Fuel | \$6,083 |
| Corrugated Cardboard | 266 |
| Course Paper Products | 147,621 |
| Envelopes | 6,547 |
| Fine Paper Products | 55,037 |
| Forms-Continuous & Snap Out | 12,655 |
| Ink & Toner Cartridges | 5,957 |
| Janitorial/Cleaning Supplies | 25,639 |
| Low-Mercury Fluorescent Bulbs | 1,422 |
| Lumber, Plastic | 650 |
| Office Supplies | 51,017 |
| Pallets & Skids | 72 |
| Printing by Contractors | 1,557 |
| Rechargeable Batteries | 752 |
| Signs | 11 |
| Other, Trash Bags | 447 |
| TOTAL | \$315,733 |

Dept. of Revenue

Materials Recovered

| | |
|------------------------------|---------|
| Batteries-Lead Acid (ea.) | 900 |
| Corrugated Cardboard (lbs.) | 2,000 |
| Ink & Toner Cartridges (ea.) | 600 |
| Mixed Office Paper (lbs.) | 417,970 |
| Pallets (ea.) | 600 |

Environmentally Preferable Purchases

| | |
|-----------------------------|------------------|
| Alternate Fuel | \$1,790 |
| Envelopes | 92,148 |
| Fine Paper Products | 6,950 |
| Forms-Continuous & Snap Out | 790 |
| Office Supplies | 15,176 |
| Printing by Contractors | 128,304 |
| TOTAL | \$245,158 |

Did You Know?

On average, in FY03 each state employee recycled:

2 pounds of aluminum cans

92 pounds of paper

Dept. of Natural Resources

Materials Recovered

| | |
|----------------------------------|--------|
| Aluminum Cans (lbs.) | 1,874 |
| Antifreeze (gals.) | 100 |
| Batteries-Lead Acid (ea.) | 400 |
| Batteries-NiCD & NIMH (ea.) | 30 |
| Books, Bound Publications (ea.) | 50 |
| Food / Agricultural Waste (lbs.) | 2,570 |
| Corrugated Cardboard (lbs.) | 27,980 |
| Diskettes (ea.) | 200 |
| Fluorescent Lamps (ea.) | 823 |
| Glass (lbs.) | 8,052 |
| Ink & Toner Cartridges (ea.) | 118 |
| Magazines & Catalogs (lbs.) | 480 |
| Mixed Office Paper (lbs.) | 33,627 |
| Newsprint (lbs.) | 2,860 |
| Oil, Motor (gals.) | 500 |
| Paint (gals.) | 3 |
| Pallets (ea.) | 6 |
| Plastic (lbs.) | 661 |
| Scrap Metal (lbs.) | 10 |
| Steel Cans (lbs.) | 302 |
| Styrofoam (lbs.) | 137 |
| Telephone Books (lbs.) | 1,792 |
| Textiles (lbs.) | 140 |
| Tyvek Envelopes (ea.) | 384 |
| Videocassette Tapes (ea.) | 40 |

Environmentally Preferable Purchases

| | |
|-------------------------------|------------------|
| Alternate Fuel | \$27,441 |
| Alternate Fuel Vehicles | 19,164 |
| Asphalt Products | 2,159 |
| Computer/Copy Supplies | 4,222 |
| Corrugated Cardboard | 198 |
| Course Paper Products | 3,828 |
| Envelopes | 19,087 |
| Fine Paper Products | 33,071 |
| Forms-Continuous & Snap Out | 14,527 |
| Ink & Toner Cartridges | 1,260 |
| Low-Mercury Fluorescent Bulbs | 675 |
| Office Supplies | 23,647 |
| Printing by Contractors | 230 |
| Rechargeable Batteries | 145 |
| Other | 16 |
| TOTAL | \$149,670 |

Dept. of Social Services

Materials Recovered

| | |
|------------------------------|--------|
| Aluminum Cans (lbs.) | 1,532 |
| Corrugated Cardboard (lbs.) | 158 |
| Fluorescent Lamps (ea.) | 740 |
| Ink & Toner Cartridges (ea.) | 3,713 |
| Magazines & Catalogs (lbs.) | 282 |
| Newsprint (lbs.) | 7,827 |
| Mixed Office Paper (lbs.) | 65,331 |
| Paint (gals.) | 20 |
| Telephone Books (lbs.) | 1,957 |

Environmentally Preferable Purchases

| | |
|-------------------------------|--------------------|
| Computer/Copy Supplies | \$5,200 |
| Course Paper Products | 54,428 |
| Envelopes | 708,335 |
| Fine Paper Products | 202,121 |
| Forms-Continuous & Snap Out | 1,096 |
| Ink & Toner Cartridges | 233,023 |
| Janitorial/Cleaning Supplies | 2,872 |
| Low-Mercury Fluorescent Bulbs | 844 |
| Office Supplies | 7,523 |
| Paint | 200 |
| Printing by Contractors | 140 |
| Rechargeable Batteries | 300 |
| Vehicle Maintenance Supplies | 3,000 |
| TOTAL | \$1,219,082 |

Dept. of Public Safety**Materials Recovered**

| | |
|------------------------------|---------|
| Aluminum Cans (lbs.) | 1,119 |
| Antifreeze (gals.) | 2,412 |
| Batteries-Lead Acid (ea.) | 216 |
| Batteries-NiCD & NIMH (ea.) | 3,025 |
| CD ROMs (ea.) | 1,490 |
| Corrugated Cardboard (lbs.) | 40,016 |
| Diesel Fuel (gals.) | 645 |
| Fluorescent Lamps (ea.) | 2,637 |
| Gasoline (gals.) | 110 |
| Ink & Toner Cartridges (ea.) | 607 |
| Magazines & Catalogs (lbs.) | 7,750 |
| Mixed Office Paper (lbs.) | 12,015 |
| Oil Filters (ea.) | 4,705 |
| Oil, Motor (gals.) | 7,460 |
| Oil, Used Cooking (gals.) | 718 |
| Pallets (ea.) | 1,362 |
| Scrap Metal (lbs.) | 183,600 |
| Telephone Books (lbs.) | 610 |
| Waste Tires (ea.) | 3,500 |

Environmentally Preferable Purchases

| | |
|-------------------------------|------------------|
| Alternate Fuel | \$164 |
| Alternate Fuel Vehicles | 222,511 |
| Ammunition-Lead | 50,457 |
| Antifreeze | 50 |
| Calendars | 324 |
| Corrugated Cardboard | 214 |
| Course Paper Products | 55,640 |
| Envelopes | 6,187 |
| Fine Paper Products | 73,949 |
| Forms-Continuous & Snap Out | 3,323 |
| Ink & Toner Cartridges | 6,325 |
| Janitorial/Cleaning Supplies | 16,005 |
| Low-Mercury Fluorescent Bulbs | 9,542 |
| Lumber, Plastic | 3,570 |
| Office Supplies | 14,768 |
| Paint | 590 |
| Printing by Contractors | 59,528 |
| Re-Manuf Office Machines/Furr | 510 |
| Other / Ammunition Brass | 750 |
| Other / Rubber Tree Rings | 65 |
| Other / Trash Bags | 3,888 |
| TOTAL | \$528,360 |

Dept. of Transportation**Materials Recovered**

| | |
|------------------------------|---------|
| Aluminum Cans (lbs.) | 1,534 |
| Antifreeze (gals.) | 250 |
| Batteries-Lead Acid (ea.) | 3,500 |
| Batteries-NiCD & NIMH (ea.) | 2,531 |
| Fluorescent Lamps (ea.) | 5,000 |
| Ink & Toner Cartridges (ea.) | 1,325 |
| Mixed Office Paper (lbs.) | 199,044 |
| Oil Filters (ea.) | 1,023 |
| Oil, Motor (gals.) | 35,000 |
| Paint (gals.) | 500 |
| Pallets (ea.) | 3,600 |
| Scrap Metal (lbs.) | 150,000 |
| Telephone Books (lbs.) | 3,324 |
| Waste Tires (ea.) | 65,245 |
| Other/Aluminum (lbs.) | 30,000 |

Environmentally Preferable Purchases

| | |
|-------------------------------|---------------------|
| Barrels & Containers | \$2,100 |
| Bituminous Concrete | 14,500,000 |
| Course Paper Products | 21,879 |
| Emulsified Asphalt | 12,000,000 |
| Envelopes | 26,884 |
| Fine Paper Products | 9,101 |
| Glass Beads | 9,000,000 |
| Ink & Toner Cartridges | 1,600 |
| Low-Mercury Fluorescent Bulbs | 90,000 |
| Office Supplies | 165,000 |
| Paint | 5,500,000 |
| Printing by Contractors | 15,650 |
| Re-refined Oil | 5,000 |
| Signs | 3,000,000 |
| Tires, Retread | 75,000 |
| Other / Lead Mining Chat | 150,000 |
| TOTAL | \$44,562,214 |